



EV 101 Workshop  
Riverside Convention  
Center  
February 23, 2011



Robert T. Mejia, Manager  
South Bay Workforce  
Investment Board



# The Clean Energy Economy

June 2009 Report by the Pew Charitable Trusts

- The U.S. clean energy economy is an emerging source of jobs that achieves the **double bottom line of economic growth and environmental sustainability**. Every state has a piece of America's clean energy economy.

# The Clean Energy Economy

June 2009 Report by the Pew Charitable Trusts

- By 2007, 68,203 businesses in the U.S. had generated more than 770,000 jobs in the clean energy economy.
- Between 2006 and 2008, about \$12.6 billion of venture capital investments was directed toward clean technology businesses in 40 states and the District of Columbia.

# The Clean Energy Economy

June 2009 Report by the Pew Charitable Trusts

- Between 1998 and 2007, clean energy economy jobs—a mix of white and blue-collar positions, from scientists and engineers to electricians, machinists, and teachers—grew by 9.1%, while total jobs grew by only 3.7%

**MSNBC.COM**  
**December 14, 2010**

In addition to research and development, the California Energy Commission and the U.S. Department of Energy are in charging terminals and other infrastructure around the state

Work is underway to upgrade existing charging terminals and install thousands more to accommodate electric vehicles

**MSNBC.COM**  
**December 14, 2010**

A million plug-in hybrid and battery powered cars in California by 2020 to meet AB 32 goals

Factors:

- Rebates from the state and air quality districts
- Lower car registration fees
- Cheaper charging rates during off-peak hours

## **The Wall Street Journal**

### **January 19, 2011**

U.S. manufacturing jobs grew last year by 1.2% (136,000), the first increase since 1997

Manufacturing jobs will grow again according to HIS Global Insight and Moody's Analytics

Ford Motor Co. recently announced it plans to add 7,000 workers over the next two years

# **The Wall Street Journal**

## **January 19, 2011**

Factors:

- Government incentives
- Energy savings
- Aging equipment
- Domestic advantages

Dow Chemical Co. is building a 800,000-square foot plant near its headquarters in Midland, Michigan to design and make batteries for hybrid and electric vehicles.



# **The Wall Street Journal**

## **January 19, 2011**

Currently, manufacturing jobs account for 9% of all non-farm jobs in the U.S.

Economists project a 2.5% increase (330,000) in manufacturing jobs in 2011

The average pay (nationally) for jobs in manufacturing is \$22.00 hr., nearly twice the average for service jobs

**The Wall Street Journal**  
**January 19, 2011**

Manufacturing jobs often have a high job multiplier effect

Dow Chemical Co. cites estimates that every new job inside a chemical plant creates five jobs at suppliers and other related firms

# EV 101 Workshop

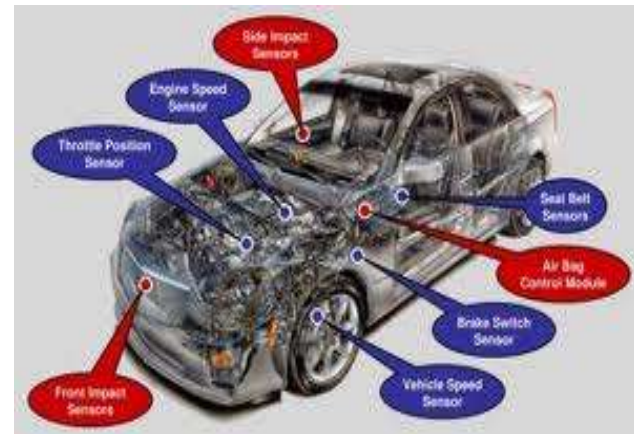
Electrical Engineering  
Technicians  
Electrical Engineers  
Electro-Mechanical  
Engineers  
Electro-Mechanical  
Technicians





# EV 101 Workshop

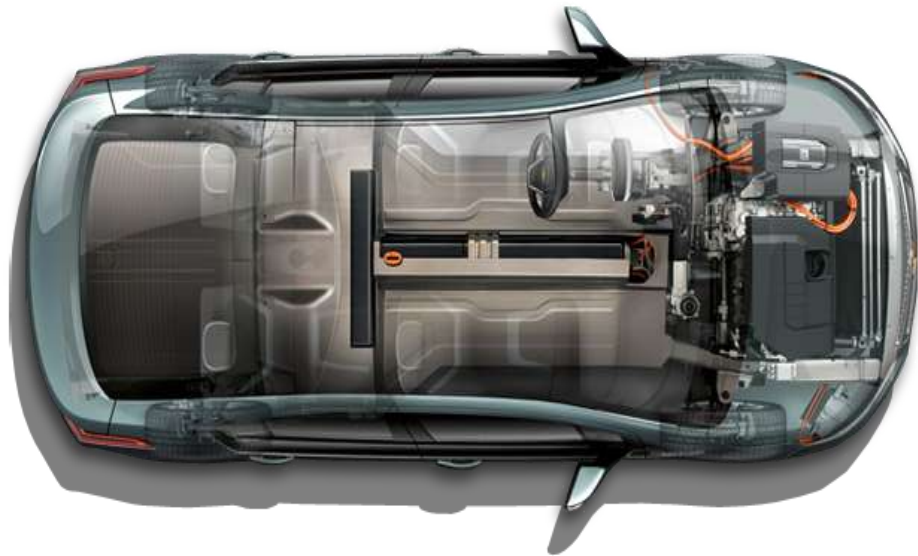
Automotive Engineers  
Automotive Engineering  
Technicians  
Electrical Engineering  
Technologists  
Electromechanical  
Engineering Technologists  
Mechanical Engineering  
Technologists





© Ford Motor Co.

2011 Focus 1.6 I-4 VTEC







# EV 101 Workshop









THANK  
YOU